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INDEX TO AMERICAN BOTANICAL LITERATURE

1916-1917

The aim of this Index is to include all current botanical literature written by Americans, published in America, or based upon American material; the word America being used in the broadest sense.

Reviews, and papers that relate exclusively to forestry, agriculture, horticulture, manufactured products of vegetable origin, or laboratory methods are not included, and no attempt is made to index the literature of bacteriology. An occasional exception is made in favor of some paper appearing in an American periodical which is devoted wholly to botany. Reprints are not mentioned unless they differ from the original in some important particular. If users of the Index will call the attention of the editor to errors or omissions, their kindness will be appreciated.

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- Andrews, F. M.** The effect of centrifugal force on *Oscillatoria*. Proc. Indiana Acad. Sci. **1915**: 151, 152. 1916.
- Anthony, R. D., & Hedrick, U. P.** Vinifera grapes in New York. N. Y. Agr. Exp. Sta. Bull. 432: 81-104. *pl.* 1-5. Ap 1917. [Illust.]
- Arthur, J. C.** Orange rusts of *Rubus*. Bot. Gaz. **63**: 501-515. *f.* 1. 19 Je 1917.
Includes *Kunkelia* gen. nov.
- Atkinson, G. F.** Quadruple hybrids in the F₁ generation from *Oenothera nutans* and *Oenothera pycnocarpa*, with the F₂ generations, and back- and inter-crosses. Genetics **2**: 213-260. *f.* 1-15. My 1917.
- Belling, J.** The essence of Mendelism. Jour. Heredity **8**: 288. 25 My 1917.
- Bicknell, E. P.** *Baccharis halimifolia*. Addisonia **2**: 29, 30. *pl.* 55. 30 Je 1917.
- Blake, S. F.** *Oenothera pumila* L. var. *rectipilis*, var. nov. Rhodora **19**: 110, 111. 5 Je 1917.
- Boynton, K. R.** *Cimicifuga simplex*. Addisonia **2**: 35. *pl.* 58. 30 Je 1917.
- Boynton, K. R.** *Xanthisma texanum*. Addisonia **2**: 31. *pl.* 56. 30 Je 1917.

- Briggs, L. J., & Shantz, H. L.** Comparison of the hourly evaporation rate of atmometers and free water surfaces, with the transpiration rate of *Medicago sativa*. Jour. Agr. Research **9**: 277-292. *pl.* 4-6 + *f.* 1-4. 28 My 1917.
- Brotherus, V. F.** Musci novi paraguenses. Bryologist **20**: 47. 29 My 1917.
Porotrichum cavifolium and *Porothamnium parvirete*, spp. nov. are described.
- Burnham, S. H.** The Naiadales of the flora of the Lake George region. Torreyia **17**: 80-84. 2 Je 1917.
- Chase, A.** List of writings on Bryophytes by Rev. E. J. Hill. Bryologist **20**: 41. 29 My 1917.
- Collins, J. F.** On using an ether freezing microtome in warm and damp weather. Phytopathology **7**: 222, 223. 2 Je 1917.
- Collins, G. N.** Hybrids of *Zea ramosa* and *Zea tunicata*. Jour. Agr. Research **9**: 383-396. *pl.* 13-21. 11 Je 1917.
- Conn, H. J.** Soil flora studies. V. Actinomycetes in soil. N. Y. Agr. Exp. Sta. Tech. Bull. 60: 1-25. Mr 1917.
- Cook, M. T., & Schwarze, C. A.** Apple scab on the twigs. Phytopathology **7**: 221, 222. 2 Je 1917.
- Cribbs, J. E.** Plant associations of western Pennsylvania with special reference to physiographic relationship. Plant World **20**: 97-120. *f.* 1-4. Ap 1917;—II. Plant World **20**: 142-157. *f.* 5-7. My 1917.
- Cunliffe, R. S.** Yuca su cultivo, variedades, contenido en almidon y fabricacion. Cuba Agr. Exp. Est. Bol. 34: 1-66. Jl 1916. [Illust.]
- Cunliffe, R. S., & Van Hermann, H. A.** El cultivo de las plantas citricas en Cuba. Cuba Agr. Exp. Est. Bol. 32: 1-62. S 1916. [Illust.]
- Cunningham, B.** Sexuality of filament of *Spirogyra*. Bot. Gaz. **63**: 486-500. *pl.* 23-25. 19 Je 1917.
- Curtis, R. S.** *Eupatorium ageratoides*, the cause of trembles. Jour. Agr. Research **9**: 397-404. *pl.* 22-24. 11 Je 1917.
- Davis, W. T.** *Juniperus communis* on Long Island and Staten Island. Torreyia **17**: 99, 100. *f.* 1. 13 Je 1917.
- Deam, C. C.** Plants not hitherto reported from Indiana—VI. Proc. Indiana Acad. Sci. **1915**: 135-140. 1916.
- Denny, F. E.** Permeability of membranes as related to their composition. Bot. Gaz. **63**: 468-485. *f.* 1-6. 19 Je 1917.
- Detjen, L. R.** Breeding southern grapes. Jour. Heredity **8**: 252-258. *f.* 3-6. 25 My 1917.
- Donaghy, F.** The morphology of *Riccia fluitans* L. Proc. Indiana Acad. Sci. **1915**: 131-133. 1916.

- Dunn, G. A.** Development of *Dumontia filiformis*—II. Development of sexual plants and general discussion of results. Bot. Gaz. **63**: 425-467. *pl.* 19-22 + *f.* 1-7. 19 Je 1917.
- Durfee, T.** Lichens of the Mt. Monadnock region, N. H.—No. 8. Bryologist **20**: 47, 48. 29 My 1917.
- Evans, A. W.** A new station for *Coelopleurum actaeifolium*. Torreyia **17**: 103. 13 Je 1917.
- Edgerton, C. W., & Moreland, C. C.** Experiments on varietal resistance to the bean and cotton anthracnose disease. Louisiana Agr. Exp. Sta. Bull. **155**: 1-24. Mr 1916.
- Etheridge, W. C.** A classification of the varieties of cultivated oats. Cornell Agr. Exp. Sta. Mem. **10**: 85-172. *pl.* 1-22 + *f.* 12-33. O 1916.
- Felt, E. P.** Little-known midge galls of certain composites. Ottawa Nat. **31**: 13, 14. 28 My 1917.
- Fernald, M. L.** *Carex gynocrates* in Pennsylvania. Rhodora **19**: 110. 5 Je 1917.
- Fernald, M. L.** A diagnostic character of *Nuphar microphyllum*. Rhodora **19**: 111. 5 Je 1917.
- Fink, B.** The rate of growth and ecesis in lichens. Mycologia **9**: 138-158. 9 Je 1917.
- Garman, H.** A new sweet corn disease in Kentucky. Kentucky Agr. Circ. Exp. Sta. **13**: 1-4. 1917. [Illust.]
- Gates, R. R.** Vegetative segregation in a hybrid race. Jour. Genetics **6**: 237-253. *pl.* 9. 30 Ap 1917.
- Gladwin, F. E.** Winter injury of grapes. N. Y. Agr. Exp. Sta. Bull. **433**: 107-139. *pl.* 1-8. Ap 1917.
- Grinnell, F., Jr.** The discontinuous distribution of some plants. Lorquinia **1**: 81, 82. Je 1917.
- Grout, A. J.** Moss notes. I. Bryologist **20**: 37, 38. 29 My 1917. [Illust.]
- Güssow, H. T.** The pathogenic action of *Rhizocronia* on potato. Phytopathology **7**: 209-213. *f.* 1. 2 Je 1917.
- Halsted, B. D.** Degenerate plants. Jour. Heredity **8**: 270-276. *f.* 11, 12. 25 My 1917.
- Halsted, B. D.** "Peanuts!" Torreyia **17**: 77-80. *f.* 1. 2 Je 1917.
- Halsted, B. D.** Weight of seeds as related to their number and position in the pod. Torreyia **17**: 101, 102. 13 Je 1917.
- Haman, M.** *Lignum vitae* in Curaçao. Amer. For. **23**: 331. Je 1917. [Illust.]
- Hansen, A. A.** Beware the deadly *Amanita*! Forest and Stream **87**: 294, 295. Jl 1917. [Illust.]

- Harger, E. B., and others.** Additions to the flora of Connecticut. *Rhodora* **19**: 105-110. 5 Je 1917; 119-130. Jl 1917.
- Harris, J. A.** Supplementary determinations of the relationship between the number of ovules per pod and fertility in *Phaseolus*. *Genetics* **2**: 282-290. f. 1, 2. My 1917.
- Harris, J. A., Gortner, R. A., & Lawrence, J. V.** The relationship between the osmotic concentration of leaf sap and height of leaf insertion in trees. *Bull. Torrey Club* **44**: 267-286. f. 1-4. 13 Je 1917.
- Harris, J. A., & Lawrence, J. V.** The osmotic concentration of the tissue fluids of Jamaican montane rain-forest vegetation. *Am. Jour. Bot.* **4**: 268-298. 31 My 1917.
- Harshberger, J. W.** William Young, Jr., of Philadelphia, Queen's Botanist. *Torreyana* **17**: 91-99. 13 Je 1917.
- Hauman, L.** Notes floristiques, quelques cryptogames, gymnospermes et monocotyledones de l'Argentine. *An. Mus. Nac. Hist. Nat. Buenos Aires* **29**: 391-444. pl. 1-4. 12 Ap 1917.
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- Hill, A. E.** Ellsworth Jerome Hill. *Bryologist* **20**: 39, 40. 29 My 1917.
- Howe, M. A.** Notes on North American species of *Riccia*. *Bryologist* **20**: 33-36. pl. 3. 29 My 1917.
Includes description of *Riccia McAllisteri* sp. nov.
- Hubbard, F. T.** *Andropogon scoparius* in the United States and Canada. *Rhodora* **19**: 100-105. 5 Je 1917.
- Humphrey, C. J.** Timber storage conditions in the eastern and southern states with reference to decay problems. U. S. Dept. Agr. *Bull.* 510: 1-42. pl. 1-10 + f. 1-41. 17 My 1917.
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- Kauffman, C. H.** Tennessee and Kentucky fungi. *Mycologia* **9**: 159-166. My 1917.
Includes *Stropharia caesiopora* and *Russula ochroleucoides*, spp. nov.
- Knudson, L.** Influence of certain carbohydrates on green plants. *Cornell Agr. Exp. Sta. Mem.* **9**: 1-75. f. 1-11. Jl 1916.
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